

Message Text

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TAGS: OVIP, TSPA (BROGLIO, LUIGI)

SUBJECT: NATIONAL ACADEMY OF ENGINEERING NOMINATION

REF: STATE 194817

CURRICULUM VITAE OF PROF. BROGLIO FOLLOWS:

BORN: VENICE, ITALY, NOV. 6, 1911

EDUCATION: PH.D. IN CIVIL ENGINEERING (1934)

PH.D. IN AERONAUTICAL ENGINEERING (1938)

PH.D. IN MATHEMATICS (1940)

HIS PROFESSIONAL AWARDS INCLUDE:

GOLDEN MEDAL FOR SCHOLL, CULTURE & ARTS OF THE ITALIAN

GOVT. (1964)

"COMMENDA" OF THE RESEARCH AND ENGINEERING ORDER FOR MERITS

"ESNAULT PELTERIE" (1965).

GUGGENHEIM PRIZE FOR ASTRONAUTICAL ENGINEERING RESEARCH (1971).

GREAT GOLDEN COLUMBUS MEDAL FOR RESEARCH AND PROGRESS OF SCIENCE

(1971).

HE IS A MEMBER OF THE FOLLOWING:

SPANISH SCIENCE ACADEMY (1948).

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LIFE MEMBER OF THE AMERICAN SOCIETY OF MECHANICAL

ENGINEERING (1950).

INTERNATIONAL ACADEMY OF ASTRONAUTICS (1960).

AT PRESENT HE IS:

FULL PROFESSOR OF THE AEROSPACE ENGINEERING SCHOOL OF ROME
(SINCE 1944).

DIRECTOR OF THE ISTITUTO DI COSTRUZIONI AERONAUTICHE
(SINCE 1944)

DEAN OF AERONAUTICAL ENGINEERING SCHOOL OF ROME (SINCE 1952).

DIRECTOR OF THE CENTRO RICERCHE AEROSPAZIALI OF ROME
UNIVERSITY (SINCE 1962).

DIRECTOR OF THE SAN MARCO PROJECT CARRIED ON IN COOPERATION
WITH NASA (SINCE 1961).

MEMBER OF THE ITALIAN SPACE COMMISSION (SINCE 1972).

ALTERNATE OF THE ITALIAN SECRETARY FOR SCIENTIFIC RESEARCH
AND TECHNOLOGY AT THE EUROPEAN SPACE CONFERENCE (SINCE 1974).

LT. GEN. OF ITALIAN AIR FORCE (SINCE 1971).

NATIONAL DELEGATE TO AGARD (SINCE 1970).

HE HAS ALSO SERVED AS:

VISITING PROFESSOR AT PURDUE POST-GRADUATE SCHOOL
OF AERONAUTICAL ENGINEERING (1950-51).

CHAIRMAN OF THE ITALIAN SPACE COMMISSION (1959-68).

VICE CHAIRMAN OF COPERS-ESRO (1961-64).

CHAIRMAN OF THE STRUCTURES AND MATERIALS PANEL OF
AGARD (1955-67).

HIS PROFESSIONAL BACKGROUND HAS BEEN IN THE FIELDS OF ENGINEERING,
APPLIED AND RESEARCH; UNIVERSITY PROFESSOR; SATELLITE PRO-
GRAMS, CONCEPTION AND IMPLEMENTATION OF LARGE SCALE SCIENTIFIC
LABORATORIES AND EXPERIMENTAL RANGES FOR SOUNDING ROCKETS AND
MISSILES. OF PARTICULAR NOTE IS THE POINT THAT HE IS ORIGINATOR
OF ITALIAN SPACE ENGINEERING STUDIES AND PARTICIPATION; FIRST
WITH THE FOUNDING AND ORGANIZING OF THE AEROSPACE ENGINEERING
SCHOOL AND THEN OF THE CENTRO RICERCHE AEROSPAZIALI; THEN THE
DIRECTION OF THE PROGRAM AND IMPLEMENTATION OF THE AEROSPACE
FACILITIES. HE ALSO CONCEIVED AND PLANNED AND DIRECTED THE ACTIVITY
OF SCIENTIFIC SOUNDING ROCKETS OF SALTO DI QUIRRA RANGE IN
SARDINIA. IN ADDITION, HE CONCEIVED AND DIRECTED THE CONSTRUCTION
OF THE SAN MARCO EQUATORIAL RANGE, LOCATED FIVE MILES AT SEA OFF
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KENYA, WHICH HAS COMPLETELY AND SUCCESSFULLY LAUNCHED AMERICAN-
ITALIAN SAN MARCO SATELLITE SERIES. HE BECAME FULLY ACCREDITED
UNIVERSITY LECTURER IN SCIENCE OF MATERIAL (1939) AND IN AERONAU-
TICAL STRUCTURES (1942).

HE IS AUTHOR OF MORE THAN 110 ENGINEERING, SCIENTIFIC AND
MANAGEMENT SPEECHES AND REPORTS ON THEORY OF ELASTICITY,
AERODYNAMICS, DYNAMICS, HEAT CONDUCTION, ORBIT ANALYSIS AND
ASTRONAUTICS.

ALSO TO BE NOTED ARE HIS SUCCESSFUL ACCOMPLISHMENTS AND CONTRIBUTIONS IN:
DESIGN OF THE FIRST WIND TUNNEL AT MC 4 IN ITALY
WITH COMPLETE INSTRUMENTATION.
DEVELOPMENT OF THE WORLD RENOWNED GROUP OF ITALIAN
AEROSPACE ENGINEERS OF THE SAN MARCO PROGRAM.
INTRODUCTION OF NEW EXPERIMENTAL TECHNIQUES FOR STUDYING THE
AEROELASTIC PHENOMENA AND AERODYNAMIC HEATING BY USING SMALL
MODELS AND OBTAINING FULL SIMILARITY BLOW-DOWN TUNNELS.
CONCEPTION AND REALIZATION OF THE "BALANCE" WHICH IS THE CORE
OF THE SAN MARCO SATELLITES.

FOLLOWING PEOPLE FROM NAE KNOW PROF. BROGLIO:
RAYMOND LEWIS BISPLINGHOFF
CHARLES STARK DRAPER
ANTONIO FERRI
ALEXANDER HENRY FLAX
NICHOLAS JOHN HOFF
COURTLAND DAVIS PERKINS
WERNER VON BRAUN
VOLPE

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